Shivom Paudel

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EDUCATION

University of Arizona   Tucson, AZ
Bachelor of Science in Computer Science   *Dec 2025*

EXPERIENCE

Software Engineer Intern   June 2024 – Aug 2024
University of Arizona   *Tucson, AZ*
- Collaborated with a small team of students to develop a chatbot/web application for the University of Arizona's Eller College of Business.
- Developed a Python script to automate porting 5 years of Excel sheet data to a MySQL database, advancing data accessibility and consistency.
- Implemented a MySQL database schema to organize data related to over 600 students, professors, classes, surveys, questions, and responses.
- Employed Node.js with connection pooling to connect to the MySQL database and handle requests and responses efficiently.

Frontend Engineer   Jan 2023 – June 2023
Hike Medical   *Peoria, IL*
- Led development of key projects, collaborated with a computer vision and a full stack engineer, and ensured project goals were met on time.
- Implemented responsive design, accessibility, and cross-browser compatibility in all projects, utilizing various libraries and tools, contributing to growth of a healthcare startup.
- Improved web app efficiency by 50% and reduced user time from 30 to 15 minutes by providing clear and accessible directions through Intercom articles.
- Increased website search ranking from 5th to 1st by applying SEO best practices, resulting in a 75% increase in customer engagement and inquiries.

PROJECTS

TV Remote Mobile App
JavaScript, React Native, Expo Go
- Built a functional TV remote application using React Native and JavaScript to control a Roku device, replacing a broken physical remote.
- Wrote functions to send HTTP requests to the Roku API, enabling control over various TV functions: power, volume, and navigation.
- Designed and structured a user-friendly interface with React components, including buttons for common streaming apps and TV controls, ensuring easy navigation and use.
- Integrated ability to launch specific streaming apps directly from a remote interface, establishing a seamless and efficient user experience.

Movie Information Website
React, JavaScript, HTML, CSS
- Created a web application using React and the IMDb API to allow users to search for movies, sort movies, and retrieve detailed information, including ratings, description, release date, and runtime.
- Utilized React Router to enable dynamic and nested routing for seamless navigation between home page, movie details, explore section, and search results.
- Integrated skeleton loading states to enhance user experience by displaying visual feedback during data fetching, ensuring smoother interaction.
- Designed a responsive interface featuring a mobile sidebar for easier navigation on various device sizes, ensuring accessibility and a consistent user experience.

TECHNICAL SKILLS

Languages & Libraries : Java, Python, C++, JavaScript, TypeScript, pandas
Web Development: HTML, CSS, React.js, Next.js, Tailwind CSS, Node.js, Express, Material UI
Tools & Frameworks: Git, JUnit, Unreal Engine, MySQL
Integrated Development Environments: VS Code, Visual Studio, Eclipse